



**CUSTOM-CURVING OF PROFILED METAL PANELS**

## THE CURVELINE CONCEPT

Curveline, Inc. specializes in custom-curving of profiled metal panels. Our “crimp-curving” process makes it possible to create the greatest possible range of contours and shapes, using the widest selection of metal panels available anywhere. No wonder Curveline curves have become an enduring feature of today’s architectural landscape.

How is Curveline able to offer so much? It’s all due to our independent service center concept. Our service center works with metal panel and building manufacturers across the country to curve their profiled panels to customers’ specifications. Only with Curveline do you receive:

- A selection of panels from more than three dozen leading manufacturers in 100+ locations -- allowing you to source panels from your supplier of choice. (Ask Curveline for a complete list of manufacturing sources.) Shown are the roofing, siding and decking profiles most widely used for curving.
- The ability to create a nearly unlimited variety of radii and angles. Only Curveline can form single, double, triple radius and S-shaped curves, for maximum design versatility.
- The ability to curve an unequalled variety of substrates and gauges.
- Proven international experience -- metal panels curved by Curveline have been specified for some 5,000+ projects worldwide.

## PROFILES AVAILABLE FOR CURVING

A.



B.



C.



D.



E.



J.



K.



N.



O.



P.



U.



V.



X.



## TECHNICAL DATA

Curveline's innovative technology enables you to use economical metal panels for all types of curved components. As a result, you enjoy greater design freedom and superior aesthetics, along with all the durability and high performance that are inherent to metal.

Crimp-curving increases metal's rigidity, often making it possible to reduce panel gauge and/or the required amount or type of structural support. The result: material and labor savings.

### MATERIAL THICKNESS:

Steel: 18, 20, 22, 24, 26 gauge

Aluminum: .032", .040", .050", temper H14

Stainless Steel: 20, 22, 24, 26 gauge

### PANEL LENGTH:

2' minimum; 35' maximum (depending on radius)

### PANEL DEPTH:

3/4" to 4" deep

### PANEL WIDTH:

4' maximum (depending on radius)

### MINIMAL RADIUS:

Varies by profile. Contact us for minimum radius.

### MATERIALS:

Panel materials suitable for crimp-curving include painted or unpainted galvanized steel, or 55% Al-Zn alloy coated steel painted or with acrylic coating, aluminum, anodized aluminum and stainless steel. ASTM Grades A, B, C, CQ and D steel can be readily crimp-curved.

### COLORS & FINISHES:

Virtually all paint systems used on standard profiled panels are suitable for crimp-curving. Consult panel manufacturer for information on available colors and finishes. Crimp-curving can also be performed on anodized panels, or on panels which are primed for post-painting. Stainless steel finishes are also suitable for curving.

### WARRANTY:

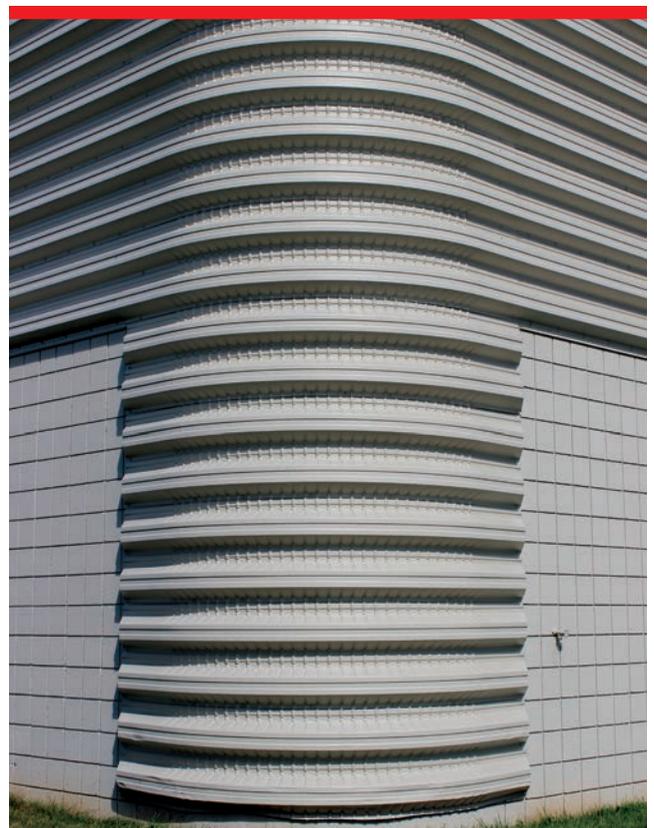
Warranties on materials and finishes are provided by the panel manufacturer. Curveline, Inc. warrants the crimp-curving fabrication process for up to 20 years under the conditions stated in the panel manufacturer's warranty.

### TECHNICAL SUPPORT SERVICES:

Curveline's technical staff is available to answer your questions on all types of standard and special curving applications. Curveline can provide additional technical data on request, including engineering span tables based on snow load and wind conditions. Sketch drawings are also available to stimulate design ideas.

### CURVED PANEL APPLICATIONS:

- Roofing systems
- Wall systems
- Fascias & Mansards
- Canopies & Walkway covers
- Structural decking (hidden and exposed)
- Acoustical decking
- Storefronts & entranceways
- "Faux" columns
- Flashings & Trims
- Solar screens & solar equipment components
- Equipment screens
- Sound barriers
- Enclosures for mechanical & electrical components
- Radiused form work for decorative concrete construction
- Curved girts and light framing members



## COVERS, SCREENS, AND SPECIALTIES

From functional to fanciful, curved covers come in all sizes, shapes, and colors. Used in walkway systems for office and government complexes, curved covers offer a virtually self-supporting system with minimal framing requirements. Curved screens offer an excellent way to conceal HVAC equipment, ductwork and other mechanical and electrical components. An attractive and economical option, curved metal is also great for covering transit shelters.

